



Please amend the specification of the original application by entering the accompanying Sequence Listing. The contents of the paper and computer readable copies are the same. Pursuant to 37 CFR § 1.821(g), no new matter has been added.

REMARKS

Applicant submits that this response with accompanying documents places the application in a condition for examination.

Support for the amendment to the specification is found in Claims 4, 6, 23, 25, 56, and 58. Thus, the paper copy of the Sequence Listing includes no new matter in accordance with 37 C.F.R. § 1.825(a). The content of both the paper and computer readable forms of the Sequence Listing is the same, as required by 37 C.F.R. § 1.825(b).

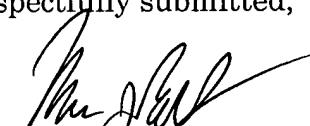
Applicant submits that these documents place the application in a condition for examination. However, if there are any questions it would be appreciated if the Commissioner would telephone the undersigned.

Pursuant to 37 C.F.R. §1.136(a), Applicant herewith petitions the Commissioner to extend the time for responding to the May 11, 1999, communication for three months from June 11, 1999 to September 11, 1999. Applicant encloses herewith a check in the amount of \$435.00 made payable to the Commissioner of Patents and Trademarks for the extension fee.



The Commissioner is authorized to charge any deficiency or credit any overpayment associated with the filing of this application to Deposit Account 23-0035.

Respectfully submitted,



Mark J. Patterson
Reg. No. 30,412
WADDEY & PATTERSON
Suite 2020, NationsBank Plaza
414 Union Street
Nashville, TN 37219
(615) 242-2400

Attorneys for Applicant

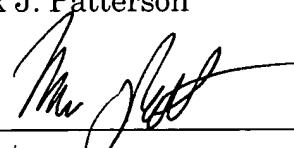
CERTIFICATE OF FIRST CLASS MAILING

I hereby certify that this Response to Notice to Comply with the Requirements for Patent Applications Containing Nucleotide Sequences and/or Amino Acid Sequence Disclosures is being deposited with the U.S. Postal Service, postage prepaid, in an envelope addressed to:

Assistant Commissioner for Patents
Washington, DC 20231

On August 13, 1999.

Mark J. Patterson



Signature
Registration Number 30,412

Date



August 13 1999